RDS
RAIL DATA SERVICES

Clever vehicle-monitoring

Real-time remote monitoring and diagnostic system for proactive operation and maintenance control.

Gain a deep insight into the health of your vehicles with Rail Data Services (RDS).

With the fleet monitoring system RDS, you can monitor and analyze your vehicles in real time. This allows you to optimize daily operations and maintenance, resulting in increased vehicle availability and a massive reduction in your operating costs. Currently, more than 3000 vehicles from more than 135 different fleets are equipped with RDS worldwide and provide valuable data for proactive operation and maintenance control.
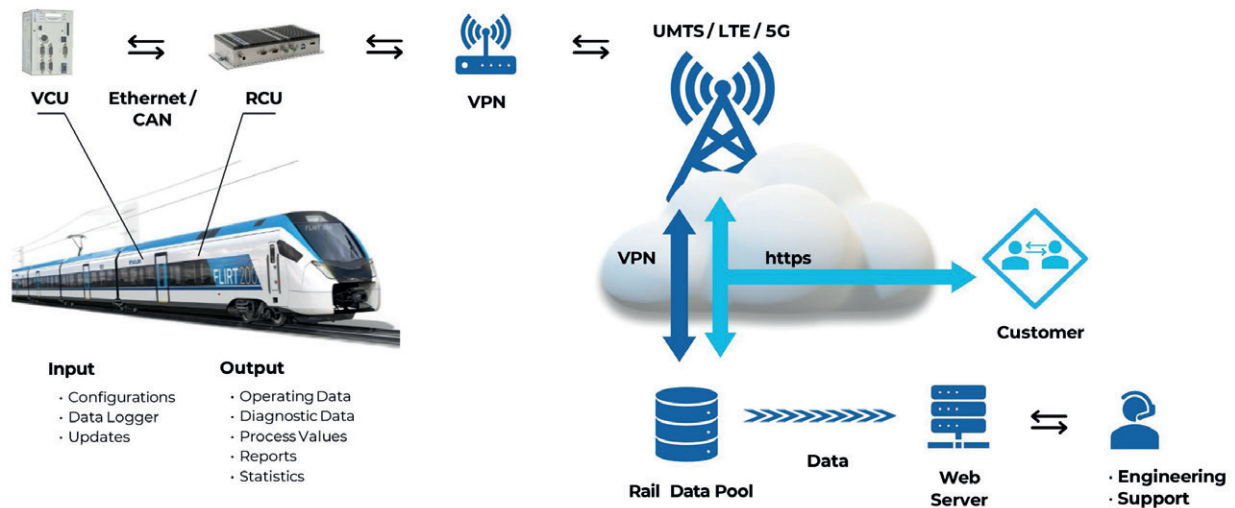
Technical problems aboard a train often have simple causes. However, due to poor or missing data, their identification can be a time-consuming and complex task. In order to greatly simplify this process, RDS provides the user with the relevant information to quickly identify the source of the fault. With RDS, your vehicle becomes part of the "Internet of Things" and transfers the data to a private cloud via the mobile network. With the help of a web application, the data can be visualized and evaluated anywhere and at any time on a computer or mobile device. From now on, you'll be able to move from a reactive approach to a proactive approach to prevent downtime and reduce costs!

Do not miss the connection and welcome the future with Rail 4.0 and RDS!

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STADLER

Rail Data Services

The fleet monitoring system, specially developed for the rail market, sets new standards in terms of data analysis, reliability, data security and lifespan. RDS has been optimized to process and evaluate all sensor data on the vehicle and to provide the maintenance with the required information.

The Stadler fleet monitoring system RDS has a high degree of flexibility in terms of its range of functions. The functions are offered as RDS Basic, RDS Diagnostics or RDS Professional. Experience the future of diagnostics and maintenance with RDS.

Tailored solutions for maximum efficiency and control.

RDS Basic ⊕

RDS Basic offers you a deep insight into the current state of your fleet.

RDS Diagnostics ⊕ ⊕

RDS Diagnostics is particularly well suited for systematically gathering information, e.g. to locate the source of a fault or to efficiently and proactively plan tasks in the maintenance.

RDS Professional ⊕ ⊕ ⊕

RDS Professional is the perfect level for the professional user of RDS, to analyze the truth of error messages with additional tools. (see listing on the right)

The user has access to additional surfaces that calculate the vehicle state and depict this graphically and in color.

RDS Basic provides you with the following content:

− Access to the current diagnostic data

− Display of operating data

− Overview of the installed software versions

− Display of GPS position information on a map

− Responsive web design for optimized viewing on a computer, mobile device or tablet

RDS Diagnostics provides you with the following content in addition to RDS Basic:

− Automatic generation of statistics and reports

− Access to the historic diagnostic data and operating data and process values of the fleet

− Export of operating and diagnostic data as PDF and Excel into an ERP system

− Overview of the installed software versions incl. their history

− Setup of data loggers and alarms

RDS Professional – The Toolsuite for experts

With RDS Professional, we offer an advanced suite of tools, that goes beyond the features of RDS Diagnostics and provide you additional options, that can be booked individually:

− **Geo-Fencing:** Position-Related services and actions

− **Smart Maintenance Rules:** filters and rules for a high degree of accuracy of error messages

− **Remote Driver Desk:** Remote driver's cab display for improved monitoring and control

− A **Condition-Based-Maintenance** (CBM) framework with economically tested CBM plug-ins, that can be adapted to suit your support your system, the fleet or the user

− **RDS BI**: Dashboard catalogues and customer-specific

− dashboards for your needs.

− Setup of **data loggers** and **alarms**

− **Export** of operating and diagnostic data **to an ERP system**

− **Integration of third-party vehicles:** Seamless integration of Stadler third-party vehicles into the RDS system.

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